



Smiths Medical

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ONE-YEAR MAINTENANCE PROTOCOL

for HOTLINE® Blood and Fluid Warmer and Level 1® Fast Flow Fluid Warmer

Benefits for you:

- **Maintain a microbe-free environment**

We use a disinfecting procedure, unlike hotplate warmers which use superficial cleaning that does not disinfect or sterilize.

- **Maintenance time is reduced for the HOTLINE® Warmer from twice a year to once a year and for the Level 1® Fast Flow Fluid Warmer from 12 times a year to once a year**

Using hydrogen peroxide mixing bottles will make for easier mixing, pouring and storage of the 0.3% hydrogen peroxide/distilled water solution. To find out more about the mixing bottles please contact your local sales representative or Customer Service at 800-258-5361.

- **Yearly maintenance costs are reduced**

The HOTLINE® Warmer and the Level 1® Fast Flow Fluid Warmer require cleaning maintenance costs only once

a year, unlike hotplate warmers which may require cleaning maintenance costs up to 12 times a year.

If you would like additional information regarding the new one-year maintenance protocol for the HOTLINE® Blood and Fluid Warmer and/or the Level 1® Fast Flow Fluid Warmer, please do not hesitate to contact us at the number below .

Technical Support

1-800-553-8351, prompt 5

TECHSERV@smiths-medical.com



ONE-YEAR RESERVOIR MAINTENANCE PROTOCOL

The one-year maintenance solution is a 0.3% hydrogen peroxide/distilled water solution. The below protocol should be followed annually for the Level 1® Fast Flow Fluid Warmer (H-1200, H-1025, H-1000, H-1100), as well as for the initial set up in your facility.

Level 1® Fast Flow Fluid Warmer

To prepare 0.3% hydrogen peroxide/distilled water solution for the reservoir, mix 140 mL of 3% hydrogen peroxide solution and 1,260 mL of distilled water.

1. Empty reservoir of current solution.
2. Place a container under the drain valve of the Level 1® Fast Flow Fluid Warmer.
3. Drain the re-circulating solution by turning the drain valve clockwise 90 degrees.
4. When all of the re-circulating solution has drained from the unit, close the drain valve.
5. Refill the unit with 1.4 liters of fresh 0.3% hydrogen peroxide/distilled water solution.
6. Insert a D-series disposable set (D-50/DI-50, D-60HL/DI-60HL, D-100/DI-100, D-300/DI-300) into the Level 1® Fast Flow Fluid Warmer. If you use a Level 1® Fast Flow Fluid Warmer for urological and/or gynecological procedures, insert an IR-series disposable set (IR-500, IR-600/IRI-600/IRI-600B, IR-700, IR-40).
7. Turn the unit on and run for a 30-minute disinfection period.
8. Switch the unit off, discard the disposable according to established hospital procedures and empty the reservoir of the re-circulating solution by turning the drain valve clockwise 90 degrees. When all of the re-circulating solution has been drained from the unit, close the drain valve.
9. Refill the reservoir with 1.4 liters of fresh 0.3% hydrogen peroxide/distilled water solution. The Level 1® Fast Flow Fluid Warmer is now ready for use.

During the 12-month period, any solution lost from the reservoir through the disposable must be topped off with the 0.3% hydrogen peroxide/distilled water solution.



ONE-YEAR RESERVOIR MAINTENANCE PROTOCOL

The one-year maintenance solution is a 0.3% hydrogen peroxide/distilled water solution. The below protocol should be followed annually for the HOTLINE® Blood and Fluid Warmer (HL-90), as well as for the initial set up in your facility.

HOTLINE® Blood and Fluid Warmer

To prepare 0.3% hydrogen peroxide/distilled water solution for the reservoir, mix 140 mL of 3% hydrogen peroxide solution and 1,260 mL of distilled water.

1. Empty solution currently in HOTLINE® Warmer reservoir.
2. Fill the reservoir with 1.4 liters of fresh 0.3% hydrogen peroxide/distilled water solution.
3. Insert a disposable set (L-70 or L-70 NI) into the HOTLINE® Warmer.
4. Turn the unit on and let the solution circulate for a 30-minute disinfection period.
5. Switch the unit off and empty the reservoir. Discard the disposable according to established hospital procedures.
6. Refill the reservoir with 1.4 liters of fresh 0.3% hydrogen peroxide/distilled water solution. The HOTLINE® Blood and Fluid Warmer is now ready for use.

During the 12-month period, any solution lost from the reservoir through the disposable must be topped off with the 0.3% hydrogen peroxide/distilled water solution.

PLEASE NOTE: If you have a HOTLINE® Blood and Fluid Warmer that was shipped prior to march 2004, your HOTLINE® Warmer may have an older gasket that has shown some degradation with the new recommended protocol. Please contact Technical Support at 1-800-553-8351, prompt 5 so we can provide the appropriate replacement parts.